

**COAL  
UTILIZATION  
RESEARCH  
COUNCIL**

# **Roundtable on Deploying Advanced Clean Coal Plants**

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Washington, D.C.**

# *What is* **CURC**?

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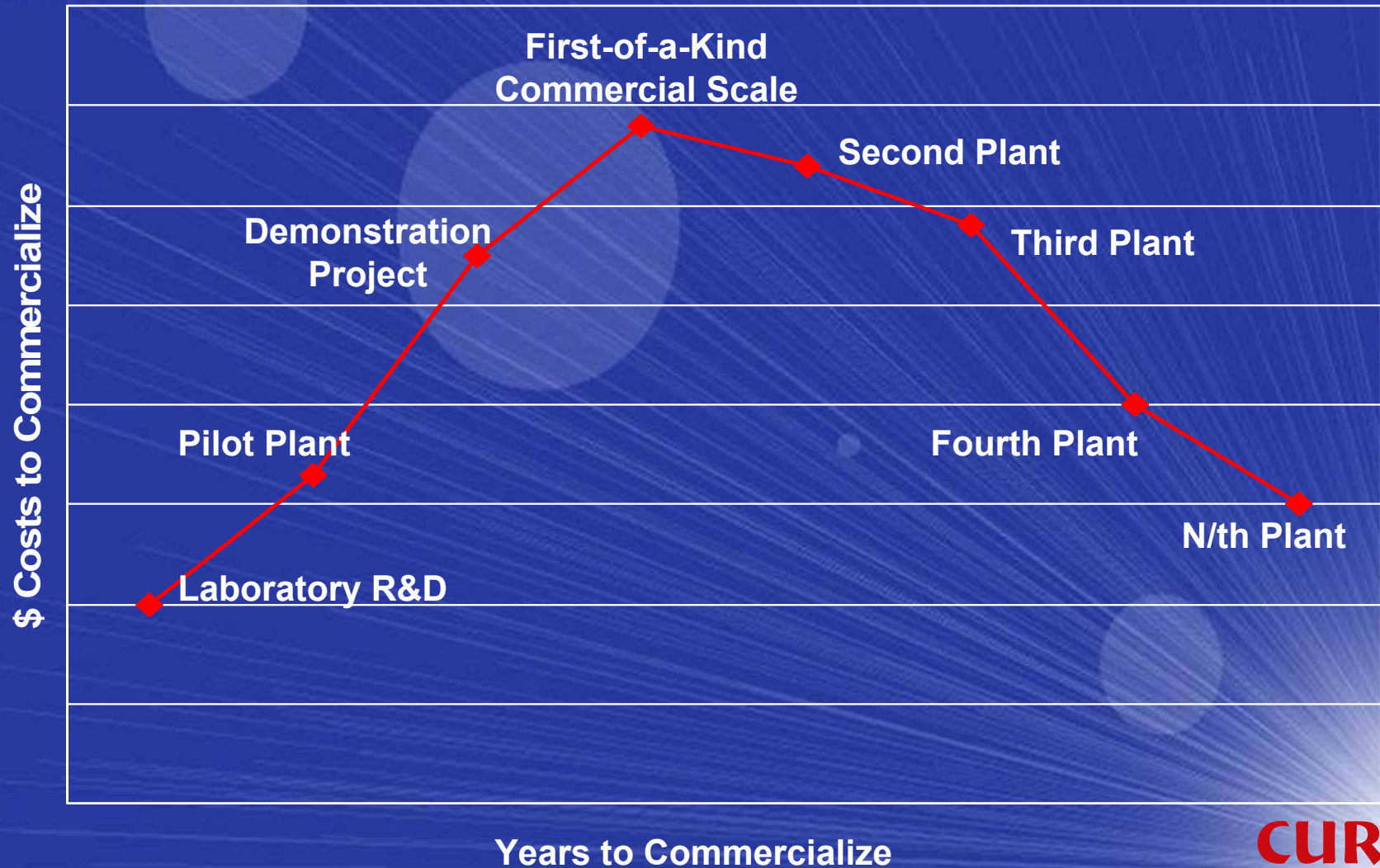
- Promotes Coal Utilization R, D & D
- Encourages Industry/Government Partnerships to Commercialize New Coal Technologies
- Coordinate Activities with Other Coal Stakeholders to Insure a Unified Industry Voice on R, D & D
- [www.coal.org](http://www.coal.org)

# *Who are the Members of* **CURC**?

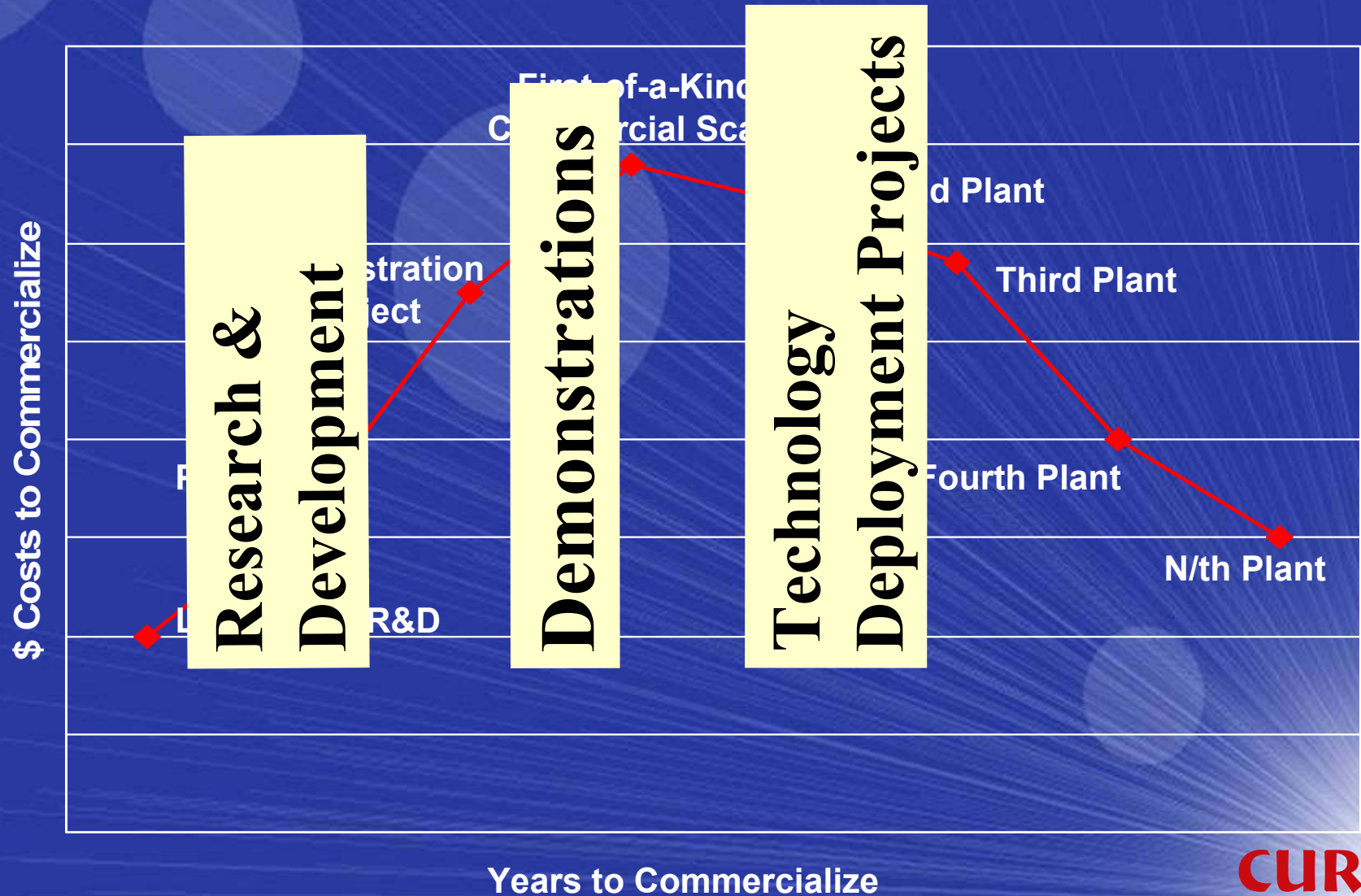
- Coal-fueled electricity generators
- Technology/equipment manufacturers
- Coal producers
- R&D technology developers & researchers
  - *including state governments, universities & research institutions*



# *Technology R&D to Commercialization?*



# *Technology R&D to Commercialization?*



# *Advanced Clean Coal Technology Deployment Initiative*

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- CURC began a process mid-2003 to consider elements of a deployment program
- What (if any) government assistance is required to “deploy” commercially-offered, but not-yet-widely used, advanced coal technology, e.g. IGCC?



# *Principal Elements of Clean Coal Deployment Program*

- Focus upon public/private partnership to encourage “plants in the ground”:
  - 10 GW of potential coal powered capacity
  - Retrofit existing natural gas combined cycle plants
  - Replace old/construct new coal-fired power plants
- Qualifying technology: IGCC or performance targets
  - Loan guarantees &/or performance guarantees
  - Requirements for state & local support; vendor & construction warranties; PPA or rate approval
  - Federal project ombudsman

# *Principal Elements of Clean Coal Deployment Program*

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- **At least 5 GW of NGCC retrofits w/gasification**
  - Total US idle capacity = 114 GW @ 250 MW or >
  - 20 GW w/ coal transportation within 10 miles
  - Equals up to 10% of the annual natural gas to electricity
- **As much as 5 GW of repowered/new ACCT**
  - Qualifying technology must achieve performance targets
  - 75% coal input/50% electricity output (allows for multi-products)



# *Other Considerations*

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- **Government (EPA) can assist by addressing questions that involve permits, regulatory interpretation and flexibility and compliance with law/regulations**
- **Facilitate greater certainty for technology customers by undertaking cooperative efforts with industry to assess value of proposed incentives**
  - **3 Party Covenant report**
  - **Economic and market analysis**

# *Next Steps*

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- **Finalize proposal during August**
- **Continue/complete briefings of key government and industry officials**
- **Determine level of Administration and Congressional interest for possible further action prior to sine die of the 108<sup>th</sup> Congress**